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Jex, J.;

Communications, Computers and Signal Processing, 1991., IEEE Pacific Rim Conference on 9-10 May 1991 Page(s):692 - 695 vol.2

Digital Object Identifier 10.1109/PACRIM.1991.160834

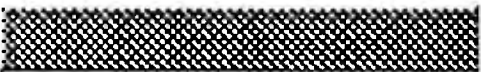
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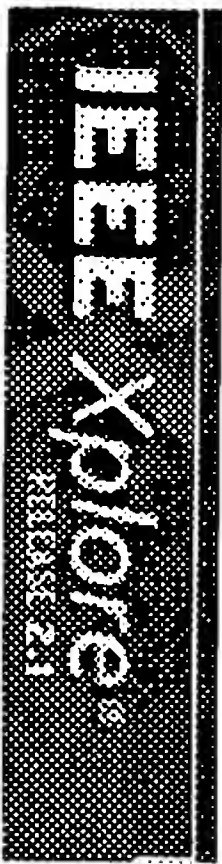
Imam, I.N.; Nguyen, D.T.;

Southeastcon '89. Proceedings. 'Energy and Information Technologies in the Southeast', IEEE 9-12 April 1989 Page(s):1227 - 1231 vol.3

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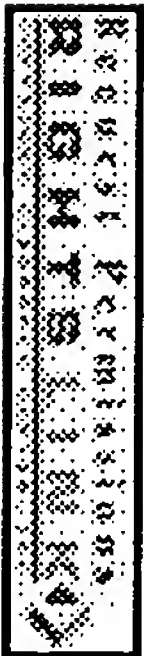
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## Flash memory BIOS for PC and notebook computers

Alex J.  
Intel Corp., Folsom, CA, USA;

This paper appears in: **Communications, Computers and Signal Processing, 1991., IEEE Pacific Rim Conference on**

Publication Date: 9-10 May 1991

On page(s): 692 - 695 vol.2

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Location: Victoria, BC

INSPEC Accession Number: 4208870

Digital Object Identifier: 10.1109/PACRIM.1991.160834

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### Abstract

The author describes a flash **memory** device used to store the basic input/output system (**BIOS**) of a PC or notebook computer. Rapidly increasing computer complexity requires rapid and convenient **BIOS** modifications. **BIOS** code can be stored in ROM, EPROM, EEPROM, bulk erasable flash **memory**, or block erasable flash memory. Updating **BIOS** stored in ROM or EPROM requires much time and money. **BIOS** storage does not require EEPROM's feature of byte erasure. Rapid and inexpensive **BIOS** revisions can be accomplished in flash **memory** with update software provided on a desk or by modem. Block erasable flash **memory** provides the capability of **BIOS** updates while providing boot and recovery code protected from inadvertent program or erasure. **BIOS** code is easily updated in flash **memory** containing an internal program and erase sequence controller. A 1-Mb block erasable flash **memory** with an internal program and erase sequence controller is an ideal storage medium for PC and notebook computer **BIOS** code

Index Terms

Inspec

### Controlled Indexing

digital storage, input-output programs, microcomputers,

### Non-controlled Indexing

1.MB, BIOS code, BIOS updates, EEPROM, EPROM, PC, ROM, basic input/output system, block erasable flash memory, boot code, bulk erasable flash memory, erase sequence controller, flash memory device, internal program, notebook computers, personal computers, recovery code, update software

### Author Keywords

Not Available

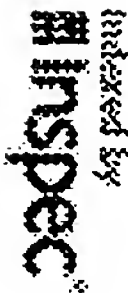
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<u>L7</u>	14 or L6	18	<u>L7</u>
<u>L6</u>	("low pin count" near5 memory) same (flag or pointer)	3	<u>L6</u>
<u>L5</u>	(firmware near5 memory) same (flag or pointer)	237	<u>L5</u>
<u>L4</u>	(LPC near5 memory) same (flag or pointer)	16	<u>L4</u>
<u>L3</u>	(LPC near5 memory) same (firmware near5 memory) same (flag or pointer)	1	<u>L3</u>

DB=EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR

<u>L2</u>	(LPC adj1 memory) same (firmware adj1 memory) same (flag or pointer)	0	<u>L2</u>
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DB=PGPB,USPT,USOC; PLUR=YES; OP=OR

<u>L1</u>	(LPC adj1 memory) same (firmware adj1 memory) same (flag or pointer)	1	<u>L1</u>
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# Refine Search

## Search Results -

Terms	Documents
(LPC near5 memory) and (firmware near5 memory)	0

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<i>DB=EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
<u>L11</u>	(LPC near5 memory) and (firmware near5 memory)	0	<u>L11</u>
<i>DB=PGPB,USPT,USOC; PLUR=YES; OP=OR</i>			
<u>L10</u>	((LPC near5 memory) same (flag or pointer)) and (firmware near5 memory)	1	<u>L10</u>
<u>L9</u>	((LPC near5 memory) same (flag or pointer)) and((firmware near5 memory) same (flag or pointer))	1	<u>L9</u>
<u>L8</u>	17 and firmware	2	<u>L8</u>
<u>L7</u>	14 or L6	18	<u>L7</u>
<u>L6</u>	("low pin count" near5 memory) same (flag or pointer)	3	<u>L6</u>
<u>L5</u>	(firmware near5 memory) same (flag or pointer)	237	<u>L5</u>
<u>L4</u>	(LPC near5 memory) same (flag or pointer)	16	<u>L4</u>
<u>L3</u>	(LPC near5 memory) same (firmware near5 memory) same (flag or pointer)	1	<u>L3</u>
<i>DB=EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
<u>L2</u>	(LPC adj1 memory) same (firmware adj1 memory) same (flag or pointer)	0	<u>L2</u>
<i>DB=PGPB,USPT,USOC; PLUR=YES; OP=OR</i>			
<u>L1</u>	(LPC adj1 memory) same (firmware adj1 memory) same (flag or pointer)	1	<u>L1</u>

# Refine Search

## Search Results -

Terms	Documents
((("low pin count" or LPC) near5 memory) same ((firmware or BIOS) near5 memory))	26

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<u>L2</u>	((("low pin count" or LPC) near5 memory) same ((firmware or BIOS) near5 memory))	26	<u>L2</u>
<u>L1</u>	((("low pin count" or LPC) near5 memory) and ((firmware or BIOS) near5 memory))	44	<u>L1</u>

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Terms	Documents
L2	0

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DB=EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR

L3    L2

0    L3

DB=PGPB,USPT,USOC; PLUR=YES; OP=OR

L2    (("low pin count" or LPC) near5 memory) same ((firmware or BIOS) near5 memory)

26    L2

L1    (("low pin count" or LPC) near5 memory) and ((firmware or BIOS) near5 memory)

44    L1

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
(LPC adj1 memory) same (firmware adj1 memory) same (flag or pointer)	1

Database:

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side by side			result set
	DB=PGPB,USPT,USOC; PLUR=YES; OP=OR		
<u>L1</u>	(LPC adj1 memory) same (firmware adj1 memory) same (flag or pointer)	1	<u>L1</u>

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
(LPC adj1 memory) same (firmware adj1 memory) same (flag or pointer)	0

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side by side			result set
<i>DB=EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
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<i>DB=PGPB,USPT,USOC; PLUR=YES; OP=OR</i>			
<u>L1</u>	(LPC adj1 memory) same (firmware adj1 memory) same (flag or pointer)	1	<u>L1</u>

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